



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/040,561	01/05/2002	Ryan S. Enners	10010964-1	2469

7590 07/21/2003  
HEWLETT-PACKARD COMPANY  
Intellectual Property Administration  
P.O. Box 272400  
Fort Collins, CO 80527-2400

EXAMINER

HYEON, HAE M

ART UNIT PAPER NUMBER

2839

DATE MAILED: 07/21/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b> 10/040,561		<b>Applicant(s)</b> ENNERS ET AL.	
	<b>Examiner</b> Hae M Hyeon		<b>Art Unit</b> 2839	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 05 January 2002.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-7 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-7 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.  
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

**Priority under 35 U.S.C. §§ 119 and 120**

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All b) ☐ Some \* c) ☐ None of:  
1. ☐ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  
\* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  
a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                  | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s). _____  |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)         | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ | 6) <input type="checkbox"/> Other: _____                                    |

**DETAILED ACTION**

***Specification***

1. The disclosure is objected to because of the following informalities: On page 6, line 27, delete the extra "w" in front of "way."

Appropriate correction is required.

***Claim Rejections - 35 USC § 103***

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1-3 and 5-6 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kunert (6,042,414) in view of Sage (6,123,309).

Kunert discloses a docking apparatus 10 comprising a docking cradle 28 with a connector 32 electrically interconnecting to a portable computer 90, a power connector 26 connecting to an electrical power source of a vehicle, and a data port 14. Kunert teaches that the docking apparatus 10 can be mounted to a surface within the interior cabin of a vehicle (see column 1, lines 54-67). Also, the data port 14 provides interconnection between the data collection terminal 90 (portable computer) and peripheral devices such as a radio transceiver, computer, printer, modem, or the like (see column 3, lines 42-49). Although, Kunert does not disclose the docking apparatus 10 connecting directly to a vehicle audio system, the docking apparatus 10 of Kunert can be connected to the vehicle audio system because Kunert teaches that data port 14

Art Unit: 2839

connects to a peripheral device such as a radio transceiver. A common vehicle audio system comprises a radio, a cassette player, or a compact disk (CD) player. Therefore, the vehicle audio system can be considered as a radio transceiver since the vehicle audio system includes a radio. Kunert, also, does not disclose a power cable and an audio cable for connecting the docking apparatus 10 to the power source and the audio system of the vehicle. However, it is inherent that a cable is required for the docking apparatus 10 of Kunert to connect to the power source and the audio system of the vehicle. The use of a cable for an electrical connection between two or more electronic devices is the most commonly known method. Therefore, the only thing that Kunert does not disclose is a bracket including a base and an arm for attaching the docking apparatus 10 to the vehicle. Kunert simply states that the docking apparatus 10 can be mounted in the vehicle, but Kunert does not explain how the docking apparatus 10 is mounted.

Sage discloses a bracket 80 including a base 82 and an arm 84 for attaching a docking apparatus 1 to a vehicle. The official notice is taken that a bracket including a base and an arm for attaching an object to another object is well known.

It would have been obvious at the time the invention was made to a person having ordinary skill in the art to use a bracket including a base and an arm as taught by Sage to attach the docking apparatus taught by Kunert because the use of bracket is one of the most commonly known method of mounting an object to another object.

Regarding to claim 2 reciting the portable computer being HP Jornada portable computer, HP Jornada portable computer is not the only portable computer that can be used with a docking apparatus. Many other devices such as a lap top computer, a cell phone, a scanner, or a personal digital assistant (PDA) are used with compatibles docking apparatus.

Art Unit: 2839

Regarding to claim 7 reciting the audio cable permitting audio playback of music files stored in the portable computer, it is inherent that the docking apparatus of Kunert provides the same function because the portable computer 90 of Kunert is connected to the audio system of the vehicle and able to transmit audio signals through the docking apparatus 10.

4. Claim 4 is rejected under 35 U.S.C. 103(a) as being unpatentable over Kunert and Sage as applied to claims 1-3, 5 and 6 above, and further in view of Tao (5,555,491).

Claim 4 recites that the power cable and connector comprise a cigarette lighter adapter.

However, Kunert does not show the cigarette lighter adapter power cable and a connector.

Kunert simply states that the docking apparatus 10 is connected to the power source of the vehicle.

Tao discloses a docking station including a power cable 90 with a cigarette lighter adapter connector 88 to supply the power to the docking station.

It would have been obvious at the time the invention was made to a person having ordinary skill in the art to use the cigarette lighter adapter taught by Tao to supply a power to the docking apparatus of Kunert because it is common knowledge to use a cigarette lighter adapter to supply a power to a portable device in a vehicle.

### ***Conclusion***

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. US Patent No. 6,480,378 B2 by Chang discloses a docking apparatus with a cigarette lighter adapter.

Art Unit: 2839

US Patent Application Publication 2003/0083113 A1 by Chua et al disclose a wireless telephone directly connecting to a vehicle such that the wireless telephone can be operated in a hands-free mode.

US Patent No. 6,483,698 B1 by Loh discloses a docking apparatus including a power cable and a data cable.

US Patent No. 5,542,589 by McKee, US Patent No. 6,381,133 B1 by Chen, and US Patent No. 6,386,413 B1 by Twyford disclose a bracket including a base and an arm.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hae M Hyeon whose telephone number is 703-308-4802. The examiner can normally be reached on Mon.-Fri. (8:30-5:30).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lynn D Feild can be reached on 703-308-2710. The fax phone numbers for the organization where this application or proceeding is assigned are 703-872-9318 for regular communications and 703-872-9319 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0956.

**Any response to this action may be mailed to:**

**Commissioner for Patents**

**P.O. Box 1450**

**Alexandria, VA 22313-1450**

For additional information regarding this new address, which was effective May 1, 2003, see *Correspondence with the United States Patent and Trademark Office*, 68 Fed. Reg. 14332 (March 25, 2003).

**Or Faxed to:**

(703) 308-7722 or 308-7724

(informal or draft communications should be clearly labeled "PROPOSED" or "DRAFT")

Application/Control Number: 10/040,561

Page 6

Art Unit: 2839

**Hand-delivered responses** should be brought to:  
Crystal Plaza 4, Fourth Floor (Receptionist)  
2201 South Clark Place, Arlington, Virginia.

Hae M Hyeon  
Examiner  
Art Unit 2839

hnh  
July 11, 2003

*Hae Moon Hyeon*